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(54) TRANSMITTER POWER CONTROL SYSTEM FOR MOBILE COMMUNICATION SYSTEM (57)Abstract:

PURPOSE: To keep the signal quality of the cellular type mobile communication system constant. CONSTITUTION: The mean reception bit error rate of a channel in use is measured on a reception side. When the mean reception bit error rate is less than a 1st threshold value, the transmitter power of a transmission side is decreased by a certain quantity. When the mean reception bit error rate is larger than a 2nd threshold value, the transmitter power of the transmission side is increased by a certain quantity. Instead of the reception bit error rate, CIR (communication wave-to-interference wave power ratio) is measured on the reception side and the transmitter power of the transmission side may be controlled according to the measured value.

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